L Number	Hits	Search Text	DB	Time stamp
10	121	369/47.45-47.46.ccls.	USPAT	2003/12/03 10:41
11	43	369/47.45-47.46.ccls. and pll	USPAT	2003/12/03 10:42
12	44	369/47.45-47.46.ccls. and (pll (data near	USPAT	2003/12/03 10:42
13	44	frequency)) 369/47.45-47.46.ccls. and (pll (data near	USPAT	2003/12/03
14	40	frequency) (read near (clk clock))) 369/47.45-47.46.ccls. and (pll (data near	USPAT	10:43 2003/12/03
		frequency) (read near (clk clock))) and (((disc disk) near (defect scratch))		10:44
15	31	error) 369/47.45-47.46.ccls. and (pll (data near	USPAT	2003/12/03
		<pre>frequency) (read near (clk clock))) and (((disc disk) near (defect scratch))</pre>		10:45
16	15	error) and ((rotat\$4 spindle) near speed) 369/47.45-47.46.ccls. and (pll (data near	USPAT	2003/12/03
		<pre>frequency) (read near (clk clock))) and ((((disc disk) near (defect scratch))</pre>		11:37
		error) same ((rotat\$4 spindle) near speed))		
17	0	frequency) (read near (clk clock))) and	USPAT	2003/12/03 11:06
		((((disc disk) near (defect scratch)) error) same ((rotat\$4 spindle) near		
		<pre>speed)) and (pll same ("not" near locked))</pre>		
19	0	369/\$7.ccls. and (pll same ("not" near locked))	USPAT	2003/12/03 11:07
20	0	locked))	USPAT	2003/12/03 11:07
21	0	369/\$7.ccls. and ("not" near locked)	USPAT	2003/12/03 11:07
22	0	"not" near locked	USPAT	2003/12/03 11:07
23	0	369/47.45-47.46.ccls. and ((pll (data near frequency) (read near (clk clock)))	USPAT	2003/12/03 11:26
		near (absent absence missing lack\$3 unlock\$3 ("not" adj locked) error		
		<pre>problem)) and ((((disc disk) near (defect scratch)) error) same ((rotat\$4 spindle)</pre>		
24	2	near speed)) 369/47.45-47.46.ccls. and ((pll (data	USPAT	2003/12/03
		near frequency) (read near (clk clock))) near (absent absence missing lack\$3		11:26
		<pre>unlock\$3 ("not" with locked) error problem))</pre>		
25	13	frequency) (read near (clk clock))) and	USPAT	2003/12/03 11:41
		((((disc disk) near (defect scratch)) error) same ((rotat\$4 spindle) near		
		<pre>speed)) and ((rotat\$3 spindle) same (switch select\$3))</pre>		
26	25	369/47.45-47.46.ccls. and (((disc disk) near (defect scratch)) error) same	USPAT	2003/12/03 12:22
		((rotat\$4 spindle) near speed)) and ((rotat\$3 spindle) same (switch		
27	13	select\$3)) 369/47.45-47.46.ccls. and ((current	USPAT	2003/12/03
		present instantaneous) with (rotat\$4 spindle) with speed)		12:25
28	0	369/47.45-47.46.ccls. and ((present instantaneous) with (rotat\$4 spindle)	USPAT	2003/12/03
30	14	with speed) 369/47.45-47.46.ccls. and ((sav\$3 stor\$3	USPAT	2003/12/03
		register\$3 keep\$3) with (rotat\$4 spindle) with speed)		12:25
29	10	register\$3) with (rotat\$4 spindle) with	USPAT	2003/12/03 12:26
		speed)	<u> </u>	

Search History

12/3/03 12:29:52 PM

-	695	<pre>@pd<20000711 and disc and control and rotation and speed and servo and (pick-up</pre>	USPAT	2003/12/03 10:41
		or "pick up") and frequency		10.41
_	256	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/17
	200	rotation and speed and servo and (pick-up		17:13
		or "pick up") and frequency and		
		369/\$.ccls.		0000106100
-	1	("5051976").PN.	USPAT	2003/06/18
	0.6	Ond (20000711 and disc and control and	USPAT	11:12 2003/06/17
_	86	<pre>@pd<20000711 and disc and control and rotation and speed and servo and (pick-up</pre>	USFAI	17:15
		or "pick up") and frequency and		
		369/\$.ccls. and simple		
-	93	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/17
		rotation and speed and servo and (pick-up		17:16
		or "pick up") and frequency and		
		369/\$.ccls. and (PLL or "phase locked loop")		
_	95	Opd<20000711 and disc and control and	USPAT	2003/06/18
	, ,	rotation and speed and servo and (pick-up		08:47
		or "pick up") and frequency and		
		369/\$.ccls. and ("phase lock loop" or PLL		
	24	or phase\$1lock\$1loop) @pd<20000711 and disc and control and	USPAT	2003/06/18
_	24	rotation and speed and servo and (pick-up	USFAI	11:17
		or "pick up") and frequency and		
		369/\$.ccls. and ("phase lock loop" or PLL		
		or phase\$11ock\$11oop) and cav and clv		0000 (05 (10
-	19	mahr-peter.in.	USPAT; US-PGPUB	2003/06/18 11:15
1_	229	@pd<20000711 and (disc same control speed	USPAT	2003/06/18
	1	same rotation same speed same cav same		11:22
		clv) and servo and pll and (pick\$1up or		
		"pick up") and (rotation\$2 adj speed)		0000/06/10
-	248	<pre>@pd<20000711 and (disc same control speed samerotation same speed same cav same</pre>	USPAT	2003/06/18 11:24
		clv) and servo and pll and (pick\$lup or		11.27
		"pick up") and (rotation\$2 adj speed)		
-	20	@pd<20000711 and (disc same control same	USPAT	2003/06/18
		speed same rotation same speed same cav		11:25
		same clv) and servo and pll and (pick\$lup or "pick up") and (rotation\$2 adj speed)		
1_	25	epd<20000711 and disc and control and	USPAT	2003/06/27
	23	rotation and speed and servo and (pick-up		09:02
		or "pick up") and frequency and cav and		
		clv and pll	Henam	2002/06/20
-	36	@pd<20000711 and disc and control and servo and (pick\$lup or "pick up") and cav	USPAT	2003/06/30
		and clv and pll and (frequency same		00.11
		(rotation\$2 adj speed)) and (frequency		
1		same data)		
-	45		USPAT	2003/06/27
		servo and (pick\$lup or "pick up") and cav and clv and (frequency same (rotation\$2		09:55
		and civ and (frequency same (focations2 adj speed)) and (frequency same data)		
-	57	<pre>@pd<20000711 and disc and control and</pre>	USPAT	2003/06/27
		servo and (pick\$lup or "pick up") and cav		09:55
		and clv and (frequency same (rotation\$2	1	
	3500	adj speed)) @pd<20020711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
1	3580	360/71.ccls. or 360/72.1-72.3.ccls. or	JULIA	08:24
		360/73.01-73.03.ccls.)	1	
-	986		USPAT	2003/06/30
	1	360/71.ccls. or 360/72.1-72.3.ccls. or		08:26
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc		
_	157	epd<20020711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
		360/71.ccls. or 360/72.1-72.3.ccls. or		08:28
		360/73.01-73.03.ccls.) and (rotation\$2		
		same speed) and disc and (cav same clv)	<u> </u>	

				0000/06/00
-	99	<pre>@pd<20020711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or</pre>	USPAT	2003/06/30 09:25
		360/73.01-73.03.ccls.) and (rotation\$2		
		same speed) and disc and (cav same clv)		
	47	and pll	USPAT	2003/06/30
-	47	<pre>@pd<20020711 and (369/47.1-47.48.ccls. or 360/71.ccls. or 360/72.1-72.3.ccls. or</pre>	USPAI	09:54
		360/73.01-73.03.ccls.) and (rotation\$2		03.01
		same speed) and disc and (cav same clv)		
		and pll and (voltage same compar\$5)		0000/07/01
-	44	@pd<20010711 and (369/47.1-47.48.ccls. or	USPAT	2003/07/01 09:00
		360/71.ccls. or 360/72.1-72.3.ccls. or 360/73.01-73.03.ccls.) and (rotation\$2		09:00
		same speed) and disc and (cav same clv)		
		and pll and (voltage same compar\$5)		
-	16	<pre>@pd<20010711 and (369/47.1-47.48.ccls. or</pre>	USPAT	2003/06/30
İ		360/71.ccls. or 360/72.1-72.3.ccls. or		11:02
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and (cav same clv)		
		and pll and (voltage same compar\$5) and		
		(voltage same (produce\$1 or generat\$3 or		
		conver\$4) same (correspond\$4 or		
		proportion\$5 or relat\$4)) @pd<20010711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
_	21	360/71.ccls. or 360/72.1-72.3.ccls. or	USPAI	12:00
		360/73.01-73.03.ccls.) and (rotation\$2		22.00
		same speed) and disc and (cav same clv)		
		and (voltage same compar\$5) and (voltage		
		same (produce\$1 or generat\$3 or conver\$4)		
		<pre>same (correspond\$4 or proportion\$5 or relat\$4))</pre>		
_	13	@pd<20010711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
		360/71.ccls. or 360/72.1-72.3.ccls. or		13:54
		360/73.01-73.03.ccls.) and (voltage same		
		<pre>(produce\$1 or generat\$3 or conver\$4) same (correspond\$4 or proportion\$5 or relat\$4)</pre>		
		same frequency same "reference voltage")		
_	31	@pd<20010711 and (369/47.1-47.48.ccls. or	USPAT	2003/06/30
		360/71.ccls. or 360/72.1-72.3.ccls. or		13:55
		360/73.01-73.03.ccls.) and (voltage same		
		(produce\$1 or generat\$3 or conver\$4) same (correspond\$4 or proportion\$5 or relat\$4)		
		same pll)		
-	170	@pd<20020711 and (369/47.1-47.48.ccls. or	USPAT	2003/07/01
	1	360/71.ccls. or 360/72.1-72.3.ccls. or		08:40
		360/73.01-73.03.ccls.) and (rotation\$2 same speed) and disc and cav and clv		
_	12	1	USPAT	2003/07/01
		360/71.ccls. or 360/72.1-72.3.ccls. or		09:07
		360/73.01-73.03.ccls.) and ((f\$1v or		
		(frequency adj2 voltage)) adj converter)		
	1	and ((voltage adj (source or generat\$3)) near (reference or determined or base))		
_	591	(369/\$7 360/\$7).ccls. and (cav same clv)	USPAT	2003/12/01
				16:47
-	165	(369/\$7 360/\$7).ccls. and (cav near clv)	USPAT	2003/12/01 16:59
1_	43	(369/\$7 360/\$7).ccls. and (cav near clv)	USPAT	2003/12/01
-	43	and clv and cav and ((speed spindle) near	John	17:16
	-	servo)		
_	2	("5642342" "5745458").PN.	USPAT	2003/12/01
	1.5	(260/67 260/67) gala and (any non-aliv)	USPAT	17:14 2003/12/01
-	15	(369/\$7 360/\$7).ccls. and (cav near clv) and clv and cav and ((speed spindle) near	USPAI	17:19
		servo) and ((frequency near (generat\$3		
		detect\$3)) (rotat\$5 near (speed velocity)		
		near (detect\$3 generat\$3)))	<u> </u>	

				0000/10/01
-	15	(369/\$7 360/\$7).ccls. and (cav near clv)	USPAT	2003/12/01
		and clv and cav and ((speed spindle) near		17:19
		servo) and ((frequency near (generat\$3		
		detect\$3 sens\$3)) (rotat\$5 near (speed velocity) near (detect\$3 generat\$3		
		sens\$3)))		
1_	37	369/47.39.ccls.	USPAT	2003/12/02
-	3,	309/47.39.6613.	001111	09:59
_	145	369/47.38-47.48.ccls. and ((frequency	USPAT	2003/12/02
	1.0	near (generator detect\$3)) ((rotati\$3		15:01
		motion) near (sens\$3 detect\$3)))		
_	47	369/47.38-47.48.ccls. and ((frequency	USPAT	2003/12/02
1		near (generator detect\$3)) ((rotati\$3		10:13
		motion) near (sens\$3 detect\$3))) and (cav		
		same clv)		
-	418	369/47.38-47.48.ccls.	USPAT	2003/12/02
		250/47 20 47 401	USPAT	10:01 2003/12/02
-	56	369/47.38-47.48.ccls. and ((frequency near (generator detect\$3)) ((rotati\$4	USPAI	11:01
1 '		motion) near (sens\$3 detect\$3		11.01
		frequency))) and (cav same clv)		
_	8	("4660189" "4757489" "4789975"	USPAT	2003/12/02
	Ĭ	"5161142" "5249170" "5265081"		10:50
		"5278814" "5315571").PN.		
-	45	((frequency near (generator detect\$3))	USPAT	2003/12/02
		((rotati\$4 motion) near (sens\$3 detect\$3		11:02
		frequency))) and (cav same clv same]	
	_	(switch select\$3))	IICDAM	2003/12/02
-	7	(clv same cav) and (pll same error same (rotation near speed))	USPAT	2003/12/02
	9		USPAT	2003/12/02
-	, ,	(rotati\$2 near (speed signal)))	OSIAI	14:48
1_	٥ ا	1 1	USPAT	2003/12/02
		read)) same (phase near lock\$3 near		14:53
		error) same ((instantaneous current) near		
	İ	rotati\$2 near speed))		
-	0		USPAT	2003/12/02
		read)) same (phase near lock) same		14:53
		((instantaneous current) near rotati\$2		
		near speed)) (clv same cav) and ((pll near (data	USPAT	2003/12/02
1-	1	read)) same ((instantaneous current) near	UDIAI	14:54
		rotati\$2 near speed near error))		
_	0	I	USPAT	2003/12/02
	1	read)) same ((sav\$3 register\$3 stor\$3)		14:55
	1	near rotati\$2 near speed near error))		,
-	0	((pll near (data read)) same ((sav\$3	USPAT	2003/12/02
		register\$3 stor\$3) near rotati\$2 near		14:55
		speed near error))	USPAT	2003/12/02
-	1	, , ,	USPAI	14:56
1_	356	speed near error) ((until error condition) near phase near	USPAT	2003/12/02
-	336	lock)		14:57
_	1	((until error condition) near phase near	USPAT	2003/12/02
		lock) same ((rotati\$2 near speed) rpm)		14:59
-	14	((until error condition) near phase near	USPAT	2003/12/02
	1	lock) same (speed rpm)		14:59
-	2	(369/\$7 360/\$7).ccls. and ((until error	USPAT	2003/12/02 15:00
		condition) near phase near lock) same (speed rpm)	1	13:00
1_	0		USPAT	2003/12/02
=	I	near phase near lock) same (speed rpm)		15:00
-	76	369/47.38-47.48.ccls. and ((frequency	USPAT	2003/12/02
	1	near (generator detect\$3)) ((rotati\$3		15:04
1		motion) near (sens\$3 detect\$3))) and pll		
-	1123	data near frequency near signal	USPAT	2003/12/02
		0.00 (0.7)	HCDNE	15:04
-	45		USPAT	2003/12/02 15:05
	10	near signal) 369/\$7.ccls. and (data near frequency	USPAT	2003/12/02
-	12	near signal) and pll	JULIA	15:30
	<u> </u>	Tirear signary and bir		

-	20	369/\$7.ccls. and (unreadable near (disc	USPAT	2003/12/02
		disk))		15:31
_	1586	369/\$7.ccls. and (rotation near speed)	USPAT	2003/12/02
		-		15:32
_	15	369/\$7.ccls. and ((rotation near speed)	USPAT	2003/12/02
	_	same ((unreadable defect error) near		15:46
		(disc disk)))		
_	1	369/\$7.ccls. and ((rotation near speed)	USPAT	2003/12/02
	_	same ((unreadable defect error) near		16:39
		(disc disk))) and ((instantaneous current		
		instant present) near speed)		
_	40	369/\$7.ccls. and ((spindle (dis\$1 near	USPAT	2003/12/02
		motor)) near error) and ((speed error)		16:41
		near control)		
_	36	369/\$7.ccls. and ((spindle (dis\$1 near	USPAT	2003/12/02
		motor)) near error) and ((speed error)		16:47
		near control) and (pll (data near		
		frequency))		
_	4		USPAT	2003/12/02
	•	motor)) near error) and ((speed near		16:49
		control) same error) and (pll (data near		
		frequency))		1
_	31	369/47.44.ccls.	USPAT	2003/12/02
	"	3037 17.11.0025.	******	16:50
_	1	369/47.44.ccls. and (pll and (data near	USPAT	2003/12/02
	_	frequency))		16:50
_	12		USPAT	2003/12/02
		frequency))		16:53
_	0	369/47.44.ccls. and ((pll (data near	USPAT	2003/12/02
		<pre>frequency)) near (error defect))</pre>		16:53
l _	22		USPAT	2003/12/02
		<pre>frequency)) near (error defect))</pre>		16:59
_	5		USPAT	2003/12/02
		frequency)) near (error defect)) same		16:59
}		(spindle rotat\$4))		
_	113		USPAT	2003/12/02
				17:11
_	l 0	369/47.55.ccls. and (cal same clv)	USPAT	2003/12/02
1		,		17:11